

What is Claimed is

1. A capsule chamber for a powder inhaler in the form of a cavity open on two
5 sides for accommodating a disposable capsule for pharmaceutically active
inhalable compositions with a diameter for the inner cavity which is 1.1 to 2.5
times as great as the capsule diameter and a length, the length of the inner
cavity of the capsule chamber, which is 1.02 to 2 times as great as the length
of the capsule, characterised in that the inner surface of the capsule chamber
10 comprises spacers for the capsule in the form of raised elements.
2. A capsule chamber according to claim 1, wherein the spacing of the outermost
point of the spacers from the surface on which they are formed is 0.1 mm to 5
mm, preferably 0.5 mm to 2 mm.
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3. A capsule chamber according to claim 1, wherein the spacing of the apex of a
spacer from the capsule is 0.1 to 1 mm, preferably 0.2 to 0.5 mm.
4. A capsule chamber according to claim 1, wherein the spacers are constructed
20 as axial, transverse and/or helically extending ribs, as points, pins or undulating
raised elements.
5. A capsule chamber according to claim 4, wherein the spacers are constructed
as axial ribs.
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6. A capsule chamber according to claim 4, wherein the ribs are not all at the
same spacing from one another.
7. A capsule chamber according to claim 1, wherein the ribs are triangular in
30 cross section.

8. An assembly comprising at least two capsule chambers wherein each capsule chamber is in the form of a cavity open on two sides for accommodating a disposable capsule for pharmaceutically active inhalable compositions with a diameter for the inner cavity which is 1.1 to 2.5 times as great as the capsule diameter and a length, the length of the inner cavity of the capsule chamber, which is 1.02 to 2 times as great as the length of the capsule, characterised in that the inner surface of the capsule chamber comprises spacers for the capsule in the form of raised elements.
9. An assembly according to claim 8, wherein the assembly is a revolver magazine.
10. An assembly according to claim 9, wherein the assembly is a revolver magazine which has 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29 or 30 capsule chambers arranged in a circular or spiral configuration with one another such that two adjacent capsule chambers are aligned parallel to one another, the base and top ends each being located in a plane.
11. A powder inhaler consisting of an upper housing part which has a mouthpiece connected to the air outlet opening and a lower housing part with a capsule chamber in the form of a cavity open on two sides for accommodating a disposable capsule for pharmaceutically active inhalable compositions with a diameter for the inner cavity which is 1.1 to 2.5 times as great as the capsule diameter and a length, the length of the inner cavity of the capsule chamber, which is 1.02 to 2 times as great as the length of the capsule, characterised in that the inner surface of the capsule chamber comprises spacers for the capsule in the form of raised elements or an assembly comprising at least two capsule chambers, wherein the capsule chamber(s) has (have) an air inlet opening and an air outlet opening.

12. A powder inhaler according to claim 11, wherein the powder inhaler has a cutting device which is fitted with at least two sharp spikes and/or cutters, the spikes and/or cutters being capable of being inserted through openings into the capsule chamber(s).

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13. A powder inhaler according to claim 11, having: a) a cup-shaped lower part open at the top, b) a plate which covers the opening of the lower part and perpendicularly to which is formed the capsule chamber of the type described above, a button movable counter to a spring is provided on the capsule chamber, comprising two sharp spikes or cutters for opening the capsule, c) an upper part with a mouth tube which is connected to the capsule chamber so as to be able to convey a powder aerosol and d) a lid, the elements a), b) c) and d) being joined together by a common hinge element such that they can be flipped back and forth relative to one another.

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14. A powder inhaler according to claim 11, wherein the powder inhaler contains a magazine of capsule chambers.

15. A capsule having an outer surface which has spacers in the form of raised elements.

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16. A capsule according to claim 15, wherein the spacing of the outermost point of the spacers from the surface on which they are formed is 0.1 mm to 5 mm, preferably 0.5 mm to 2 mm.

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17. A capsule according to claim 15, wherein the spacers are constructed as axial, transverse and/or helically extending ribs, as points, pins or undulating raised elements.

18. A capsule according to claim 15, wherein the spacers are constructed as axial ribs.

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19. A capsule according to claim 18, wherein the ribs are not all at the same spacing from one another.

- 5 20. A capsule according to claim 15, wherein the ribs are triangular in cross section.

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